

ABSTRACT OF THE INVENTION

The present invention provides methods and kits for detecting and monitoring liver damage in a subject. The methods and kits rely on the correlation between the presence or increase in a kallikrein-like peptidase in a sample from the subject and liver disease. Additionally, the present invention provides *in vivo* and *in vitro* methods for detecting toxicity of a therapeutic agent. Methods for detecting, diagnosing, or monitoring liver damage by measuring a panel of components, including kallikrein-like peptidase, along with other blood enzymes and/or complement components are also provided.